




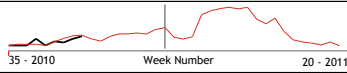

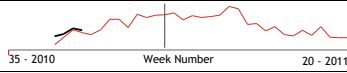
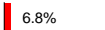
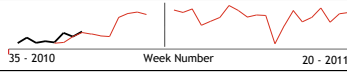
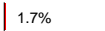
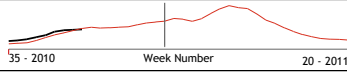


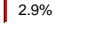
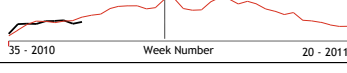



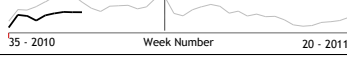




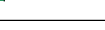
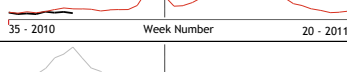

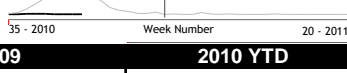
2010-2011 Columbus & Franklin County Seasonal Influenza Activity Weekly Summary (Week 43, Oct. 24th - Oct. 30th)

Summary & Highlights

Most of the indicators for week 43 are similar to their respective historical averages and are lower than what was seen this same time last season.

- Local Geographic Activity Designation (Click [here](#) for definitions) = SPORADIC
- Preliminary information from medical facility labs reported 284 tests run with 4 (1.4%) positive result for week 43, this percentage positive is higher than the previous week and is higher than the historical baseline average.
- Compared to the previous week, ED visits for influenza-like-illness (ILI) decreased slightly and respiratory symptoms increased slightly. Pediatric Urgent Care (PUC) visits for influenza-like-illness (ILI) decreased slightly, while respiratory symptoms were stable. Figures for ED visits are at or below the historical baseline averages for this time of year.
- Sales of certain over-the-counter medications were mostly down with a few exceptions. Compared to the previous week, cough & cold, electrolyte, chest-rub, throat lozenge and adult anti-fever sales decreased; pediatric anti-fever and thermometer sales increased.
- CDC has antigenically characterized one 2009 influenza A (H1N1) collected by U.S. laboratories since October 1, 2010. This virus was characterized as A/California/7/2009-like (National type and subtype info located on 2nd page).

Local Flu Activity Dashboard (All data are preliminary and may change as more reports are received.)

Indicators	Week Number Available	Current Week Value	% Change Chart from Last Week ¹ (-) (+)	# Weeks ² ▲ ● ▼	General Trend Line Chart ⁷ (red = historical avg., grey = last year)
Medical Facility Lab Data	43	1.4% Pos.	 100%	1 ▲	
ILI Outpatient Data (Sentinel Medical Sites)	43	0.2% of All Visits	 39%	2 ▲	
EMS Cold/Flu Symptom Runs	43	54 runs	 -6.9%	1 ▼	
School Absences	43	7.1% Absent	 6.8%	1 ▲	
Columbus Google Flu Trends: Web Search Data ⁴	43	1,294 per 100,000 pop	 1.7%	2 ●	
Hospital ED Data ³ :					
Complaint Defined as ILI	43	16.9% of All ED Visits	 -3.0%	1 ▼	
Categorized as Respiratory	43	14.0% of All ED Visits	 2.9%	1 ▲	
Pediatric Urgent Care Data ³ :					
Complaint Defined as ILI	43	50.3% of All PUC Visits	 -2.2%	1 ▼	
Categorized as Respiratory	43	45.4% of All PUC Visits	 -0.1%	2 ●	
Medication Data:					
OTC Cough & Cold Sales	43	5,321 Total Sales	 -8.7%	3 ▼	
Thermometer	43	101 Total Sales	 44.3%	1 ▲	
Antiviral Prescriptions	42	0.3% of All Anti-Infectives	 -16.8%	1 ▼	
Confirmed Influenza Associated Hospitalizations	43 (as of 10/30 12:00 PM)	0 Reported (3 Since wk. 35)	 0%	3 ●	

Reportable Conditions ⁶ (Cumulative Numbers as of Oct. 29, 2010, 12:00 PM)	2009	2010 YTD
Influenza Clusters/Outbreaks Reported	1 suspected	0
Influenza Associated Hospitalizations (IAH) Reported (see also Fig. 8)	523	12
IAH Confirmed 2009 Influenza A (H1N1) ⁵	267	6
Pediatric Influenza Associated Death Reported	2	0

¹Interpret with caution. Indicators with small number subject to large weekly percentage fluctuations.

²Number of weeks "▲" = Increase (>2%), "▼" = Decrease (>2%), "●" = Stable (-2% to +2%)

³Franklin County, OH residents only (based on zipcode).

⁴Data Source: Google Flu Trends (<http://www.google.org/fluTrends>), City = Columbus, OH (Experimental). See website for additional details.

⁵Confirmed cases only unless stated otherwise (Based on jurisdiction equal to Franklin County or City of Columbus and date created in ODRS).

⁶Information provided for references (Reportable condition is any influenza associated hospitalization, regardless of influenza type).

⁷Black line is current years data. Based on data availability, red line is historical average (excluding pandemic year), while grey line is last years data only.

CDC 122-Cities Mortality Reporting System: Pneumonia and Influenza (P&I) Mortality

In week 43 of 2010 (Oct. 24th, 2010 – Oct. 30th, 2010), 8.0% of all Columbus deaths were reported as due to pneumonia or influenza (Figure 1). Nationally, 6.4% of deaths reported were due to pneumonia or influenza in week 42. This national percentage is below the national epidemic threshold of 6.6%.

Influenza Morbidity and Influenza-Like Illness (ILI) Reports

The week 43 preliminary percentage of outpatient visits for ILI at sentinel medical practice reporting sites (<1%) is similar to the historical baseline average. Defined ILI symptom visits in EDs and PUCs were slightly lower than the previous week (Figures 2 & 3). In week 43, the ED percentage of visits for ILI defined symptoms is slightly below the average seen in past seasons.

Nationally, during week 42 of 2010, 1.2% of patient visits reported through the US Outpatient Influenza-like Illness Surveillance Network (ILINet), were due to influenza-like illness (ILI). This percentage is below the previous week's value and is below the national baseline of 2.5%.

Laboratory Surveillance

During week 43 of 2010, reporting Franklin County sentinel medical facility laboratories tested 284 specimens, with 4 (1.4%) positive (Figure 4). The total number of tests done by local reporting labs from week 35 of 2010 through preliminary week 43 of 2010 is 1,994; with 11 (0.55%) positives (6 type A, 5 type B). Nationally in week 42, WHO and NREVSS laboratories reported 1,594 specimens tested for influenza viruses, 48 (3.0%) of which were positive. A weekly national breakdown by type and subtype from CDC is shown below:

Week	A Total	A (H1)	A 2009 H1N1	A (H3)	A (unable to sub-type)	A (Subtyping not performed)	B Total	Total # Tested	% Positive
40	52 (71.2%)	0 (0%)	9 (17.3%)	15 (28.8%)	0 (0%)	28 (53.8%)	21 (28.8%)	3067	2.38
41	81 (77.1%)	0 (0%)	12 (14.8%)	30 (37%)	0 (0%)	39 (48.1%)	24 (22.9%)	2958	3.55
42	33 (68.8%)	0 (0%)	4 (12.1%)	22 (66.7%)	0 (0%)	7 (21.2%)	15 (31.3%)	1594	3.01

Ohio Department of Health lab reports results for those cases that are PCR positive for seasonal influenza. ODH lab positive results include (1) influenza A/H3 (total through 11/1/10).

ED and Pediatric Urgent Care Respiratory Visits

In the 43rd week of 2010, the percentage of all ED visits categorized as *respiratory* (14.0%) decreased slightly compared to the percentage seen the previous week and is slightly below the historic baseline. The percentage of reporting Pediatric Urgent Care visits categorized as *respiratory* (45.4%) was similar to the percentage seen in the previous week (Figure 5) and is lower than the percentage seen this same time last year.

Over-the-Counter (OTC) Medication Sales and Antiviral Prescriptions

In week 43 of 2010, OTC medications sale (Figure 6) volume trends were mostly lower with a few exceptions. Compared to the previous week, cough & cold, electrolyte, chest-rub, throat lozenge and adult anti-fever sales decreased; pediatric anti-fever and thermometer sales increased. In week 42 (latest week available), the percentage of Franklin County pharmacy prescriptions for antivirals out of all anti-infective prescriptions decreased compared to the previous week and is below the historical baseline average (Figure 7). During week 42, the national antiviral prescription percentage increased slightly compared to the previous week.

Additional Influenza Activity Web Links:

CDC National Seasonal Flu Surveillance Reports: <http://www.cdc.gov/flu/weekly/fluactivity.htm>

CDC International Influenza Activity Map: <http://www.cdc.gov/flu/international/activity.htm>

World Health Organization Situation Updates: <http://www.who.int/csr/disease/influenza/update/en/>

Columbus & Franklin County Influenza Monitoring Summary – Week 42 (10/24/2010-10/30/2010)

**Figure 1: Percentage of Deaths due to Pneumonia and Influenza
Columbus, Ohio 2010-11**

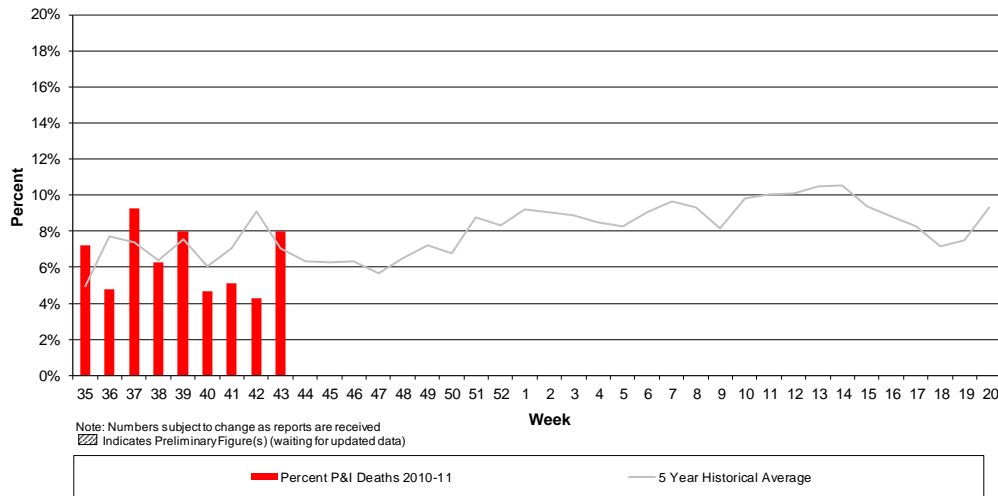


Figure 2: Percentage of Local, National, and HHS Region 5 ILI Outpatient visits and Percentage of Franklin County Resident BioSense Hospital ILI ED Visits, 2010-11

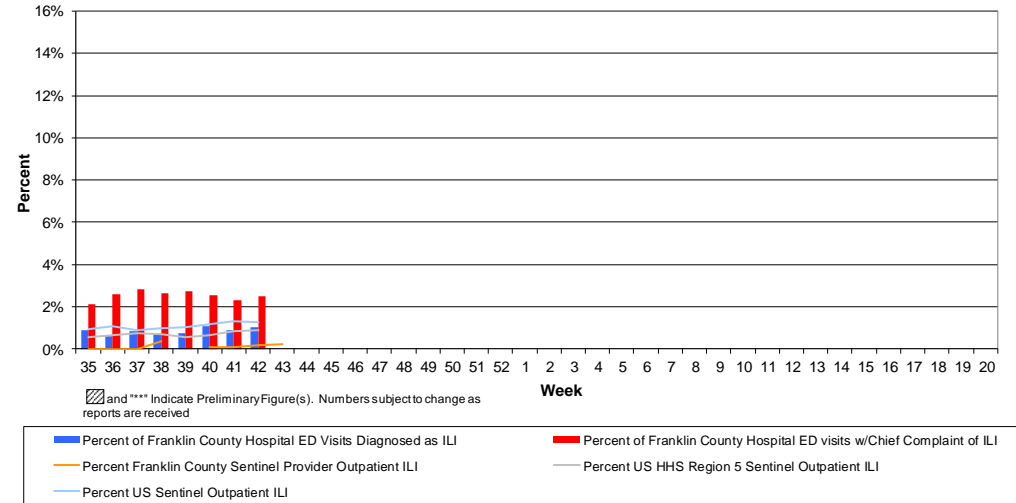
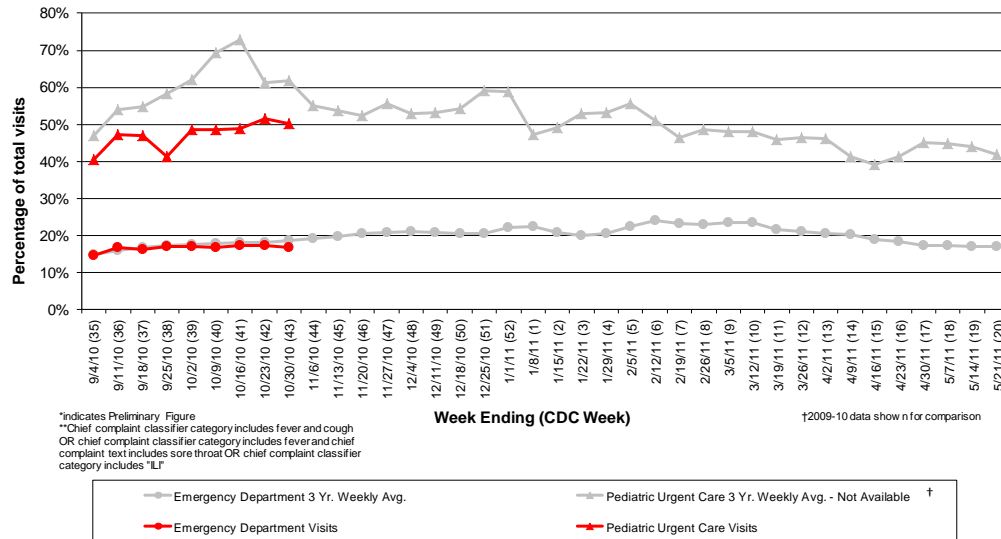
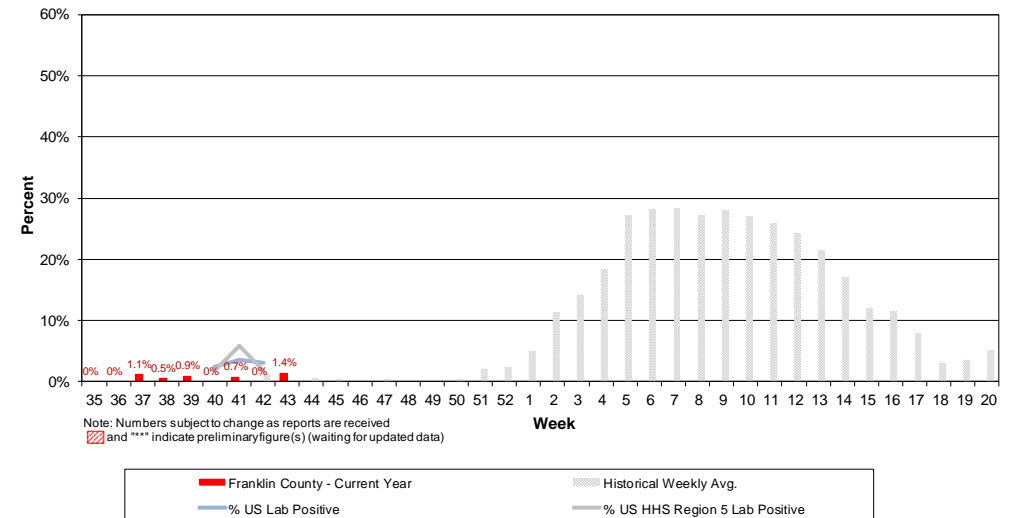


Figure 3: Franklin County Resident ILI Defined ED and Pediatric Urgent Care Visits, 2010-11,
Franklin County, OH**



**Figure 4: Percentage of Local Reporting and National Laboratory Positive Influenza Tests by
Week, 2010-11**



Columbus & Franklin County Influenza Monitoring Summary – Week 42 (10/24/2010-10/30/2010)

Figure 5: Franklin County Resident Respiratory ED and Pediatric Urgent Care Visits, 2010-11, Franklin County, OH

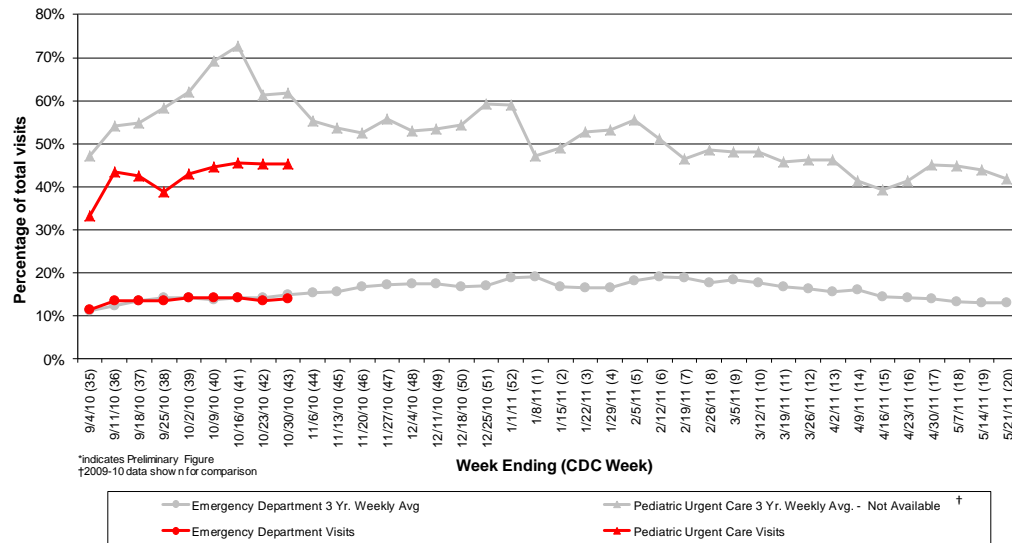


Figure 6: Selected Number of Over-the-Counter Medication Sales, 2010-11, Franklin County, OH

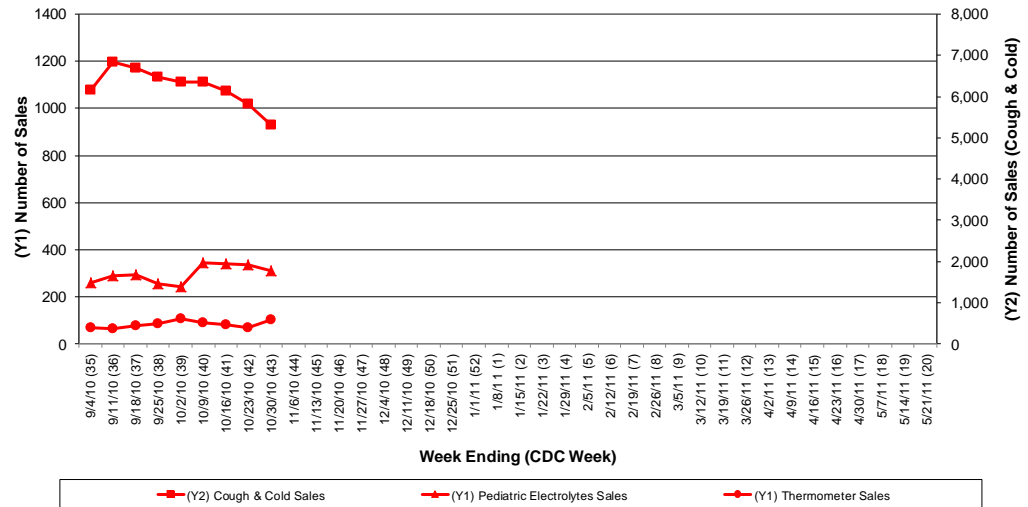


Figure 7: Percentage of Antiviral Prescriptions out of Total Number of Anti-Infective Prescriptions (Selected Pharmacies)

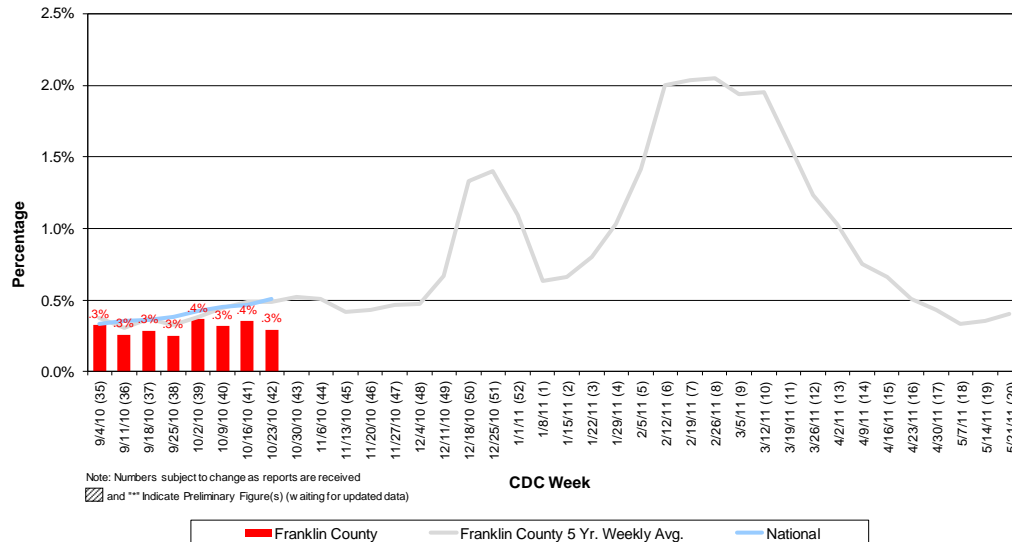


Figure 8: Franklin County Confirmed Influenza Associated Hospitalizations by Hospital Admission Week (As of 12:00 PM, 10/29/2010)

